

IN THE CLAIMS:

1. (Currently Amended) A medical control device comprising:

a first communications control unit which utilizes is adapted to utilize communications of a first protocol to transmit and receive data to and from a first medical device that is used to perform medical treatments;

a second communications control unit which utilizes is adapted to utilize communications of a second protocol that differs from the first protocol to transmit and receive data to and from a second medical device that is used to perform medical treatments; and

a control part which transmits and receives data utilizing communications of a third protocol that is shared by the first communications control unit and the second communications control unit, and which controls the first communications control unit and the second communications control unit.

2. (Original) The medical control device according to claim 1, wherein the control part has a memory part that stores priority information relating to the communications processing of the first communications control unit and the second communications control unit, and the first communications control unit and the second communications control unit are controlled on the basis of the priority information.

3. (Original) The medical control device according to claim 2, wherein the priority information is information that corresponds to the type of protocol.

4. (Original) The medical control device according to claim 2, wherein the priority information is information that corresponds to the type of medical device.

5. (Original) The medical control device according to claim 2, wherein the priority information is information that corresponds to the function of the medical device.

6. (Original) The medical control device according to claim 2, wherein the control part performs processing with the first communications control unit and second communications control unit split in a time series in accordance with the priority information.

7. (Currently Amended) A medical control device control method comprising:
a first communications control step ~~in which the control of controlling~~ transmission and reception ~~is accomplished~~ using a first communications control circuit which transmits and receives data to and from a first medical device which is used to perform medical treatments utilizing communications of a first protocol;

a second communications control step ~~in which the control of controlling~~ transmission and reception ~~is accomplished~~ using a second communications control circuit which transmits and receives data to and from a second medical device which is used to perform medical treatments utilizing communications of a second protocol that differs from the first protocol; and

~~a step in which control is performed of controlling~~ using a control circuit which transmits and receives data utilizing communications of a third protocol that is shared by the first communications control circuit and the second communications control circuit, and which controls the first communications control circuit and the second communications control circuit.

8. (Currently Amended) The method according to claim 7, wherein the controlling using the control circuit controls the first communications control circuit and the second communications control circuit on the basis of priority information relating to the communications processing of the first communications control circuit and the second communications control circuit.

9. (Original) The method according to claim 8, wherein the priority information is information that corresponds to the type of protocol.

10. (Original) The method according to claim 8, wherein the priority information is information that corresponds to the type of medical device.

11. (Original) The method according to claim 8, wherein the priority information is information that corresponds to the function of the medical device.

12. (Original) The method according to claim 8, wherein the control part performs processing with the first communications control unit and the second communications control unit split in a time series in accordance with the priority information.

13. (Withdrawn) A medical control device which controls a plurality of medical devices, and causes medical images to be displayed by display means, comprising:

information selection means for selecting control information for the medical devices and patient vital sign information; and

information superimposing means for causing the information selected by the information selection means to be dispersed and shown in a superimposed display by the display means.

14. (Withdrawn) The medical control device according to claim 13, wherein the information superimposing means display the selected information for a predetermined time.

15. (Withdrawn) A medical system device, comprising at least:
a control device that controls a plurality of medical devices; and
an operating panel that indicates the control content to the control device and displays the control status,

wherein data transmitting and receiving means that transmit and receive data by means of difference data are provided on the control device and operating panel, the data is successively transmitted to the control device by the operating panel, and the control device periodically loads the data that is successively transmitted from the operating panel.

16. (Withdrawn) The medical system device according to claim 15, further comprising detection means for periodically loading the data that is successively transmitted from the operating panel and detecting changes in this loaded data.

17. (Withdrawn) The medical system according to claim 16, wherein the detection means have a memory that stores initial data beforehand, and detect changes in the data by performing operations on the initial data stored in the memory and the loaded data.

18. (Withdrawn) A control system comprising:
a control device used for control;
first transmitting and receiving means disposed in the control device;

a plurality of remote controller means which respectively have second transmitting and receiving means that are capable of communicating operating information used to operate the control device with the first transmitting and receiving means;

remote controller discriminating means which are disposed in the control device, and which discriminate the remote controller means on the basis of communications information from the second transmitting and receiving means received by the first transmitting and receiving means;

first communications control means for controlling the first transmitting and receiving means so that regulation indicating information used to indicate transmission regulations is transmitted to the second transmitting and receiving means of remote controller means that differ from the remote controller means discriminated by the remote controller discriminating means; and

second communications control means which are provided in each of the plurality of remote controller means, and which control the second transmitting and receiving means on the basis of the regulation indicating information.

19. (Withdrawn) A control system comprising:

a control device used for control;

first remote controller means which have a first infrared transmitting part that can transmit operating information used to operate the control device;

an infrared receiving part which is installed in the control device in order to receive the operating information transmitted by the first infrared transmitting part;

second remote controller means which have a second infrared transmitting part capable of transmitting at a higher infrared intensity than the first infrared transmitting part; and

infrared signal separating means which are disposed in the control device, and which separate the infrared transmission signals received by the infrared receiving part using a predetermined threshold value.

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